

SWIECKI, 28,

Warren, Greta, Manuscript, Vol VI, No 1, 1952

(20)

1. "Investigation of air saturation test device in a Soviet or American aircraft and its development after 1950." Previews English and German versions of Soviet publications on the development of aircraft air saturation devices. (Soviet Foreign Intelligence, 1 November 1950) (Berlin, Germany), pp 17-23.
2. "Report from General to Chief-Central Propulsion Unit, 9 April 1952, concerning design of aircraft engines with a new combustion chamber. (Soviet Foreign Intelligence, 12 April 1952) (Berlin, Germany), pp 1-5.
3. "The Influence of Temperature on the Properties of Adhesives," by A. Pecher and A. Mironov, Izdatelstvo Tekhnicheskoy Literatury (Central Scientific Technical Publishing House), Moscow, 1952. (Soviet Foreign Intelligence, 12 April 1952) (Berlin, Germany), pp 6-10.
4. "The Influence of Internal Pressure in the Control of Strength of Plastic Materials, Based on Their Dynamic Properties," by N. S. Slobodchikov, Izdatelstvo Tekhnicheskoy Literatury (Central Scientific Technical Publishing House), Moscow, 1952. (Soviet Foreign Intelligence, 12 April 1952) (Berlin, Germany), pp 11-15.
5. "The Influence of Internal Pressure in the Control of Strength of Plastic Materials, Based on Their Dynamic Properties," by N. S. Slobodchikov, Izdatelstvo Tekhnicheskoy Literatury (Central Scientific Technical Publishing House), Moscow, 1952. (Soviet Foreign Intelligence, 12 April 1952) (Berlin, Germany), pp 16-20.
6. "Investigation of Plastic in Aircraft, Refining New Analytic Methods for Determining Plastic Content," by V. V. Tikhonov and others, Izdatelstvo Tekhnicheskoy Literatury (Central Scientific Technical Publishing House), Moscow, 1952. (Soviet Foreign Intelligence, 12 April 1952) (Berlin, Germany), pp 21-25.

— 1/2 —

SWIECKI, Zbigniew

The effect of internal division by extrusion of molded plastic
ceramics upon their properties after drying. Chemia stosow 6
r.o.l:79-97 '62.

I. Zaklad Ceramiki, Katedra Technologii Nieorganicznej, Politechnika,
Wroclaw.

S/081/62/000/022/046/088
B180/B186

AUTHOR: Swiec̄ki, Zbigniew

TITLE: Effect of extrusion on variation in the water and sand concentrations in plastic ceramic masses

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1962, 352, abstract 22K225 (Chem. stosow, v. 6, no. 2, 1962, 201-216 [Pol.; summaries in Russ. and Eng.]) .

TEXT: Experiments were conducted in the extrusion of plastic masses made of Supreme type kaolin and ball clay, and also of a mixture of ball clay and quartz sand. It was found that in the course of extrusion the water and sand concentrations of these masses changed. A number of measurements were made to show the statistical equilibrium of the water concentration as a function of the extrusion pressure. Analysis of the water and sand distribution in these masses was used to determine the diffusion coefficients and to find their relationship with the bending strength in the dry state. The author remarks that the results of this work may assist in explaining the reasons for the uneven distribution of water in ceramic masses. [Abstracter's note: Complete translation.]

Card 1/1

SWIECKI, Zbigniew

Extrusion process and variations of the water and sand content
in plastic ceramic masses. Chemia stosow 6 no.2:201-216 '62.

l. Zaklad Ceramiki przy Katedrze Technologii Nieorganicznej,
Politechnika, Wroclaw.

SWIECICKI, Zbigniew

Influence of the initial division of the fire clay plastic body
on the properties of dry and fired sections. Chemia stosow 7
no.1:91-103 '63.

1. Zaklad Ceramiki, Katedra Technologii Niesorganicznej, Politech-
nika, Wroclaw.

SWIECKI, Zbigniew, dr inz.

Rheologic action on ceramic masses and ceramic materials.
Chemia Wroclaw no.8:1-14 '63.

1. Katedra Ceramiki, Politechnika, Wroclaw.

SWIECKI, Zbigniew, inz. dr.

White turbid glaze without tin oxide for sanitary ware.
Sklar a keramik 14 no. 3: 73-75 Mr '64.

1. Ceramic plant of the Higher School of Technology,
Wroclaw.

SWIFCKI, Zbigniew, dr inz. adiunkt; SZULC-PIWOWARSKA, Barbara, mgr inz.

Studies on the structure of fly ash. Chemia Wroclaw no.10:
57-81 '64.

1. Laboratory of Ceramics of the Department of Inorganic
Technology of Wroclaw Technical University (for Swiecki).

SWIECZKOWSKI, C.

"Protective Lining And Walling Used In The Cellulose And Paper Industries" (To be cont'd)
p. 141. (Przeglad Papierniczy, Vol. 9, no. 5, May 1953, Lodz)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954

SWIECZKOWSKI, C.

"Protective Lining And Walling Used In The Cellulose And Paper Industry" p. 166. (To be contd)
(Przeglad Papierniczy, Vol. 9, no. 6, June 1953, Lodz)

S0: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954

SWIECZKOWSKI, C.

"Protective Lining and Walling used in the Pulp and Paper Industries" III. p. 203.
(Przeglad Papierniczy, Vol. 9, No. 7, 7/1953, Łódź)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,
February, 1954, Uncl.

SWIEJKOWSKI, LEONIDAS

Swiejkowski, Leonidas - Klucz do oznaczania polskich roslin leczniczych i
przemyslowych. Krakow Wydawn. Polskiego Zwiasku Zielarskiego, 1952. 638 p.
Key to the identification of Polish medicinal and industrial plants. illus.
(part col), bibl., index

SO: Monthly List of East European Accessions; L.C., Vol. 3, No. 4, April, 1954

Swieniak, J.

Mining machinery. p. 19

PPZEGŁAD SPAWAŁNICIWA (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)
Warszawa, Poland. Vol. 11, No. 10/11, Oct/ Nov. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1959

Uncl.

SWIENTOSLAWSKI, W. W.
SVENTOSLAVSKIY, V. V. [Swientoslawski, W. W.]

Ebulliometric and cryometric determination of the degree of
purity of organic compounds and eutectics. Zhur. fiz. khim.
36 no.12:2790-2793 D '62. (MIRA 16:1)

(Eutectics) (Organic compounds)
(Chemistry, Analytical)

POLAND/Radiophysics - Radiotekhnika i elektronika . . .

I-7

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6462

Author : Swierc T.

Inst :

Title : Simplified Method of Determining E and μ with the Aid of a
Slotted Measuring Line

Orig Pub : Prace Przemysl. inst. telekomun., 1958, 8, No 24, 37-40

Abstract : Description of a graphic method of determining the parameters
of a dielectric with the aid of measurements with a slotted
measuring line. Graphs are given, the use of which gives
greater accuracy than the spherical diagram. -- Author's
resume

Card : 1/1

SWIERCZEK, Maria

Results of the use of Halozanizon (MD 2028) in psychiatry. Neurol.
neurochir. Psychiat. pol. 12 no:5:765-768 '62.

l. Z Kliniki Psychiatrycznej AM w Warszawie Kierownik: prof. dr
med. A. Jus.

(TRANQUILIZING AGENTS)

SWIERCZEK, R.

862^a Manufacturing High-Purity Naphthalene by the Con-
quent Two-Stage Cooling of the Naphthalene Oil Vapors.
Otrzymywanie wysokoprocentowego nftalenu na drodze
ciaglej bezprzeponowej kondensacji par oleju nftalenego. (Polish.) B. Kalinowski, J. Szuba, and R. Swierczek.
Przemysł chemiczny, v. 11, no. 10, Oct. 1955, p. 588-590.

Vapors are cooled by a stream of water along with stream of
water vapor at 100 C. Crystallization time of naphthalene oil
production costs are lowered. Tables, diagrams. 4 ref.

(2)

SWIERCZEK, Roman

Apparatus for rectifying high boiling tar fractions. Koks smola
gaz 6 no.2:58-63 Mr-Ap '61.

1. Politechnika Slaska, Katedra Chemicznej Technologii Wegla, Gliwice.

SZUBA, Jerzy; BAL, Stanislaw; SWIERCZEK, Roman

Experimental determination of the initial and end points
of evaporation of multi component mixtures in the state of
equilibrium. Koks 8 no. 3:79-83 My-Je'63.

1. Katedra Chemicznej Technologii Wyroba, Politechnika, Gli-
wice.

SZUBA, Jerzy; BAL, Stanislaw, SWIERCZEK, Roman

Experiment in determining the vapor pressure of typical fractions
of high-temperature tar on the basis of a nomogram. Koks 8
no.6:212-219 D '63.

1. Katedra Chemicznej Technologii Węgla, Politechnika Śląska,
Gliwice.

CZECHOSLOVAKIA

SWIERCZEK, S., Psychiatric Clinic, Silesian Medical Academy (Zabrze-Rokitnica), Lublinec, Poland.

"Involutional Depression"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 4, August 63, pp 248-255.

Abstract [Author's English summary]: As against the two extreme points of view, one insisting on the nosological independence of involutional depression, the other contesting it with equal emphasis, the author assumes a middle position taking into account all the pros and cons so as to allow a synthesis of the entire issue. Thirty references, including 5 Polish.

1/1

SWIERCZEWSKA, Maria, dr

Active surface structures pf the system ZnO—CoO—H₂O. Wiad chem 17
no.10:607-609 0 '63.

1. Katedra Chemii Ogólnej, Pomorska Akademia Medyczna, Szczecin, i
Katedra Technologii Chemicznej, Uniwersytet im. Adama Mickiewicza
Poznań.

Swierczewski, S.

CHORAZAK, T.; GOLBA, J.; SWIERCZEWSKI, S.

Bacterial flora in nonspecific urethritis in men. Med. dosw.
Mikrob., Warsz. 4 no. 1:147-163 Jan-Mar 1952. (CLML 22:4)

1. Of the Dermatological Clinic of the Maritime Medical Academy
in Szczecin and of the National Institute of Hygiene Branch in
Szczecin.

MARKOWICZ, J., ROZOWSKI, T. SWIERCZEWSKI, S.

Detection of three foci human tularemia in the Szczecin
district in 1952. Przegl. epidem. 7 no.3:163-169 1953
(GIML 25:5)

1. Of Szczecin Regional Sanitary-Epidemiological Station.

GELBER, Jerzy; KUNSTMAN, Halina; SWIERCZEWSKI, Stanislaw

Types of Corynebacterium observed in the Szczecin region during
1952-54. Med. dosw. mikrob. 7 no.1:59-63 1955.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Szczecinie
i z Oddzialu Dziecięcego Zakaznego Woj. Szpitala Specjalistycznego
w Szczecinie.

(CORYNEBACTERIUM,
types of strains isolated in Poland)

SWIERCZEK, Stefania

Heterochromic iridocyclitis. Klin. oczna 33 no.1:33-36 '63.

1. Z Kliniki Okulistycznej Slaskiej AM w Zabrzu Kierownik:
prof. dr med. M. Madroszkiewicz.
(IRIDOCYCLITIS) (PIGMENTATION DISORDERS)

SWIERCZEWSKI, Jozef

Certain problems and directives for designing factories for
machine precision tools in the Soviet Union. Problemy proj
hut maszyn 12 no. 3879-03 Mr'64

1. Prozamet, Warszawa.

SWIERCZEWSKI, W.; RYDZ, L.; DUDEK, J.

"Rural Telephone Installations." P. 126. (WIADOMOSCI TELEKOMUNIKACYJNE, Vol. 23, No. 6, June, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

SWIERCZKOWSKI, S.

Mycielski, Jan, Swierczkowski, S., and Zieba, A. On infinite positional games. Bull. Acad. Polon. Sci. Cl.

III. 4 (1956), 485-488.

In this note the authors announce several results on various infinite games with perfect information. The first games considered are general infinite move games of the type introduced by Gale and Stewart [Contributions to the theory of games, v. 2, Princeton, 1953, pp. 245-266; MR 14, 999]. Among the results announced are: if the winning set S is an F_σ or G_δ , then the game Γ is determined [this was previously proved by Wolfe, Pacific J. Math. 5 (1955), 841-847; MR 17, 506]; if the space of plays is compact and the pay-off function continuous, then Γ is determined (previously proved by Gale and Stewart, ibid.); if the pay-off function is of first Baire class, then Γ is determined.

Next they consider the game of Mazur, in which A and B form a partition of $[0, 1]$. The players alternately choose non-degenerate closed intervals, each being a subinterval of the interval previously chosen. Player II wins or loses according as the intersection of the intervals chosen lies in B or not. Theorem: This game is a win for I if and only if B is of first category at some point. It is a win for II if and only if A is of first category.

The final section is devoted to continuous move games, motivated by games of pursuit. A general strict determinacy theorem is announced.

D. Gale

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CIA-RDP86-00513R001654220003-8

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CIA-RDP86-00513R001654220003-8"

5. SWERK 1000A
Distr: bE2c

✓ Order-disorder transition temperature in n-component
alloys. S. Swierczkowski and K. F. Wojciechowski (Univ.
Wroclaw, Poland). Bull. Acad. polon. sci., Ser. sci. Math.,
astron. et phys., 6, 585-7(1958)(in English).—General math.
conditions defining the order-disorder transition point are
formulated and discussed. J. Stecki

SWIERCZKOWSKI, S.

On successive settings of an arc on the circumference of a circle.
In English. p. 187.

FUNDAMENTA MATHEMATICAЕ. (Polska Akademia Nauk) Warszawa, Poland.
Vol. 46, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2,
Feb. 1960

Uncl.

SWIERCZKOWSKI, S. (Wroclaw)

On Cyclically ordered groups. In English. Fund.mat. 47 no.2:161-
166 '59. (EEAI 9:5)

1. Mathematical Institute of the Polish Academy of Sciences.
(Abelian groups)

SWIERCZKOWSKI, S. (Wroclaw)

On cyclically ordered intervals of integers. In English. Fund.mat.
47 no.2:167-172 '59. (EEAI 9:5)

1. Mathematical Institute of the Polish Academy of Sciences.
(Aggregates)

PHASE I BOOK EXPLOITATION

POL/4356

Polskie Towarzystwo Matematyczne

Prace Matematyczne, Seria I, IV (Mathematical Transactions, Series I, vol. IV), Warsaw, Państwowe Wyd-wo Naukowe, 1960.
140 p., 1,075 copies printed.

Editorial Board: Władysław Orlicz (chief Ed.), Mirelli Stark, (Deputy Chief Ed.), Adam Bieliński, Witold Bodanowicz, Stanisław Bolesław, Józef Górski, Stanisław Hartman, Julian Musielak (Secretary), Zbigniew Semadeni, and Krzysztof Tatarczyński.

PURPOSE: This book is intended for mathematicians.

COVERAGE: This is a collection of 12 articles dealing with algebra, analysis, theory of numbers, probability theory, and geometry. Summaries in Russian and English. No Russian and French. Seven date each article. No personalities are mentioned. References follow most of the articles.

Frakiewicz, M. (Edt). On Certain Infinite Series Connected With Bessel Functions 29

Schinzel, A. (Warsaw). On the Mophantine Equation

$$\sum_{k=0}^{n-1} \frac{A_k}{k!} k^p = 0 \quad 45$$

Schinzel, A. (Warsaw). On the Equation $x^4 + ax^2y^2 + by^4 = z^2$ 53

Card 2/A

Makowski, J. (Warsaw) AND S. Sieradzki (Krakow). Pitchfork's Theorem on Convolution and the Theory of Distributions 59

Stachurski, B. (Krakow). On the Convergence of a Sequence of Numbers to the Least of the Set 77

Smakoniuk, L. (Wrocław). A Certain Characterization of a Straight Line Among Plane Graphs 83

Jedryka, T. M. (Poznań). On a Certain Generalized Problem of Fourier for a Normal Parabolic Equation 91

Kubik, L. (Warsaw). On the Limit Distributions of Sums of μ -Valued Random Variables 111

Reports from Scientific Sessions at the Polish Mathematical Society (for the Period 1 July 1957 to 30 June 1958)

Gdańsk section 119
Gdańsk section 119
Gdańsk section 119
Gdańsk section 119

Kraków section 122
Lublin section 124
Łódź section 127
Poznań section 129
Szczecin section 129
Toruń section 121
Warsaw section 135
Wrocław section 137

AVAILABLE: Library of Congress

Card 4/A

AC/4356/00
10-20-60

KNESER, M. (Munchen); SWIERCZKOWSKI, S. (Wroclaw)

Embeddings in groups of countable permutations. Col math 7 no.2:
177-179 '60. (EEAI 10:1)

1. Mathematical Institute of the Munich University (for Kneser)
2. Mathematical Institute of the Polish Academy of Sciences (for Swierczkowski)
(Groups, Theory of) (Permutations)

HULANICKI, A.; SWIERCZKOWSKI, S.

Number of algebras with a given set of elements. Bul Ac Pol mat 8
no.5:283-284 '60.

I. Institute of Mathematics, Polish Academy of Sciences. Presented
by A. Mostowski.

(Algebra)

SWIERCZKOWSKI, S.

On isomorphic free algebras. Bul Ac Pol mat 8 no.9:587-588 '60.

1. Institute of Mathematics (Wroclaw Branch), Polish Academy of Sciences. Presented by E. Marczewski.

(Algebra)

SANDS, A.D.; SWIERCZKOWSKI, S. (Dundee,Scotland)

Decomposition of the line in isometric three-point sets. In
English. Fund mat 48 no.3:361-362 '60. (EEAI 10:8)

1. Queen's College, Dundee.
(Aggregates) (Numbers, Theory of)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001654220003-8

MACBEATH, A.M. (Dundee); SWIERCZKOWSKI, S. (Wroclaw)

Measures in homogenous spaces. Func mat 49 no.1:15-24 '60. (EEAI 10:5)
(Aggregates) (Topology)

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CIA-RDP86-00513R001654220003-8"

SWIERCZKOWSKI, S. (Wroclaw)

Algebras which are independently generated by every n elements. Fund
mat 49 no.1:93-104 '60. (EEAI 10:5)

1. Mathematical Institute of the Polish Academy of Sciences.
(Algebra, Abstract) (Functions)

SWIERCZKOWSKI, S. (Wroclaw)

Integrals on quotient spaces. Col math 8 no.1:107-114 '61. (EEAI 10:5)

1. Mathematical Institute of the Polish Academy of Sciences.
(Spaces, Generalized) (Topology)
(Groups, Theory of)

SWIERCZKOWSKI, S. (Wroclaw)

On isomorphic free algebras. Fund mat 50 no.1:35-44 '61.

1. Mathematical Institute of The Polish Academy of Sciences. During the preparation of this paper the author was Research Fellow at the University of Glasgow.

SWIERCZKOWSKI, S. (Wroclaw)

A sufficient condition for independence. Colloquium mathem 9 no.
1:39-42 '62.

1. Mathematical Institute, Polish Academy of Sciences, Warsaw.

HULANICKI, A.; SWIERCZKOWSKI, S.

Acknowledgement of priority. Bul Ac Pol mat 10 no.12:669 '62.

1. Presented by A. Mostowski.

SWIERCZKOWSKI, S. (Wroclaw)

On the independence of continuous functions. Fund math 52
no.1:41-58 '63.

SWIERZEWSKI, Stanislaw, inz.

Some remarks on surface calculations in masses by the
harp method. Przegl geod 35 no.1:20-24 Ja '63.

SIWINSKI, Jerzy; SWIERCZYNA, Bernard

Automatic density regulation of the coal charge for flotation.
Gornictwo Gliwice no. 9:49-68 '64.

i, Department of Automation of Production Processes of the
Silesian Technical University, Gliwice.

MILGROM, F.; SWIERCZYNSSKA Z.

Group isoantibodies in the cerebrospinal fluid. Polski tygod.
lek. 6 nos.25-26:818-821 25 June 1951 (CIML 21:1)

1. Of the Institute of Medical Microbiology (Head -- Prof. L.
Hirschfeld, M.D.), of the Wroclaw Medical Academy.

Swierczyńska, Z.

MILGROM, F.; SWIERCZYNKA, Z.

Invasion of blood group antibodies into the cerebrospinal fluid.
Med. dosw. mikrob., Warsz. 4 no. 3:345 1952. (CLML 23:3)

1. Summary of work progress presented at 11th Congress of Polish
Microbiologists held in Krakow May 1951. 2. Wrocław.

MILGROM, Feliks; SWIERCZYNSSKA, Zdzislawa

Studies on agglutination of erythrocytes coated with tuber-culin. Arch.immun.ter.dosw. 2:71-88 1954.

1. Instytut Immunologii Terapii Doswiadczałnej PAN we Wrocławiu
(Dyrektor: prof. dr L. Hirszfeld) Dział Immunologii Szczegółowej
wej (Kierownik: doc.dr F. Milgrom)

(TUBERCULIN, effects,

on hemagglut.)

(HEMAGGLUTINATION, affect of drugs on,
tuberculin)

MILGROM, Feliks; SWIERCZYNSSKA, Zofia slawa

Non-specificity of normal bacterial antibodies. Arch. immun. ter. dosw. 3:367-388 1955.

1. Instytut Immunologii i Terapii Doswiadczonej PAN we Wrocławiu
(Dyrektor: prof. dr. L. Hirschfeld) Dział Immunologii Szczegolowej
(Kierownik: prof. dr. F. Milgrom).

(ANTIBODIES,
inspecificity of normal bact. antibodies (Pol))

SWIERCZYSKA, ZDZISLAWA

The agglutination of tuberculin-coated erythrocytes.
Felix Milgrom and Zdzisława Swierczyska (Med. Acad.,
Wrocław, Poland). *Schweiz. Z. allg. Pathol. u. Bakteriol.*
18, 237-69 (1955) (in English).—Human type-O red cells,
0.1 ml., are suspended 1 hr. at 37° in 0 ml. tuberculin soln.,
washed 3 times with 2 ml. saline, and added to saline to give
a 5% suspension. One drop of the suspension and 1 drop
test serum are mixed and observed after 30 min. in a humid
atm. The results show that 95% of tuberculosis serums give
pos. reactions. Neg. reactions are found chiefly in severe
cases. Tuberculin antibodies appear in the third month of
life independently of primary tuberculous infections, and
are found in 98% of adults 20-45 yrs. old. Tuberculous in-
fections accelerate the appearance of the antibodies and
enhance their titer. Rats, mice, and young rabbits do not
have the antibodies in their serums. The serums of horses
and dogs are always pos. Other animals give intermediate
results. A. Dietz

EXCERPTA MEDICA Sec.5 Vol.11/4 General Pathology Apr 58
Swierczyńska

900. NATURAL ANTIBACTERIAL ANTIBODIES AS A CAUSE OF SHOCK FOLLOWING BLOOD TRANSFUSION - *Swierczyńska* Z. Inst. of Microbiol., Silesian Sch. of Med., Zabrze-Rokitnica, Poland - SCHWEIZ.Z.ALLG. PATH. BAKT. 1957, 20/2 (211-218) Tables 3

The transfusion of red cells coated with bacterial extracts produced shock in guinea-pigs with natural homologous antibodies, whereas those without such anti-

900

body remained symptomless in most cases. After these injections both the homologous antibody and the antibodies against other bacteria disappeared for 7-10 days and a few days later reached values higher than observed before the experiment. During the period of decreased antibody titre the animals displayed no pathological symptoms when they received a second transfusion of coated erythrocytes. I. v. injection of a bacterial extract caused the disappearance both of homologous and heterologous antibodies and prevented the shock following the injection of coated red cells.

Surján - Budapest (IV, 5)

SWIERCZYNsKA, Zdzislawa; LANGHEINING, Czeslawa; EINLEGER, Franciszek

Normal antibodies against chorionic gonadotropins. Acta physiol.
polon. 11 no.3:451-455 My-Je '60.

1. Z Zakladu Mikrobiologii Slaskiej A.M. w Zabrze-Rokitnicy
p.o. Kierownika: dr K.Wicher
(CONADOTROPINS CHORIONIC)
(ANTIBODIES)

SWIERCZYNsKA, Zdzislawa; CHTIEJ, Ryszard

Normal anti-bacterial antibodies in various types of animals.
Med.dosw.mikrob. 12 no.1:95-98 '60.

1. Z Zakladu Mikrobiologii Sl. A.M. Zabrze-Rokitnica.
(ANTIBODIES)

SWIERCZYNsKA, Zdzislawa; SAMOCHOWIEC, Eugeniusz

Serological detection of chorionic gonadotropin in urine. Its value
in the diagnosis pf pregnancy. Polski tygod. lek. 15 no.32:1217-1219
8 Ag '60.

1. Z Zakladu Mikrobiologii Sl. A.M. w Zabru; kierownik: doc. dr.
Jerzy Szaflarski i z I Kliniki Poloznictwa i Chorob Kobiecych Sl.
A.M.; kierownik: prof. dr. Wojciech Starzewski.
(PREGNANCY TESTS)
(GONADOTROPINS, CHORIONIC urine)

SWIERCZYSKA, Zdzislawa; SAMOCHOWIEC, Eugeniusz

Chorionic gonadotropin preparation "Pregnyl" in serological pregnancy tests. Pol. tyg. lek. 17 no.48:1857-1858 26 0 '62.

1. Z Zakladu Mikrobiologii Sl. Akad. Med. w Rokitnicy; kierownik: prof. dr mgr Jerzy Szaglarski i z I Kliniki Poloznictwa i Chorob Kobiecyh Sl. Akad. Med., kierownik: prof. dr med. Wojciech Starzewski.
(GONADOTROPINS CHORIONIC) (PREGNANCY TEST)

POLAND

WOZNICZKO-ORLOWSKA, Genowefa, SWIERCZYNsKA, Zdzislawa, and SZAFLARSKI, Jerzy, Department of Microbiology (Zaklad Mikrobiologiczny), Sl. AM [Slaska Akademia Medyczna, Silesian Medical Academy] in Zabrze-Rokitnica (Director: Prof. Dr., Magister. Inżynier Jerzy SZAFLARSKI)

"Anti-bovine Protein Antibodies in Human Sera."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 36, 2 Sep 63,
pp 1329-1333

Abstract: [Authors' English summary modified] Authors used the hemoagglutination reaction of bovine serum coated red blood cells (in the presence of diazotized bensidine) to seek immunological anti-bovine antibodies in human blood. Their findings are presented in 2 figures and 3 tables. Of 1258 human sera investigated, 101 cases were found to contain them, most of which were bottle-fed children under one year of age, and authors assume that the antibodies were probably due to introduction of the bovine milk antigen by way of the intestinal tract. One Polish, and 5 English-language references.

1/1

SWIERCZYNsKA, Zdzisława; WOZNICKO-ORŁOWSKA, Genowefa

Studies on "incomplete" rheumatoid factor. Reumatologia
(Warsz.) 2 no.3:191-195 '64.

1. z Zakładu Mikrobiologii i Serologii Instytutu Reumatologicznego
w Warszawie (Kierownik Zakładu: doc. dr med. Z. Świeczynska
Dyrektor Instytutu: dr med. W. Brzhi).

SWIERCZYNsKA, Zdzislawa; WOZNICZKO-ORLOWSKA, Genowefa; RAU, Barbara

Detection of anti-Gm antibodies and its used in the diagnosis
of rheumatoid arthritis. Reum. Pol. 2 no. 2:97-100 '64.

1. Z Zakladu Mikrobiologii i Serologii Instytutu Reumatologicznego
w Warszawie (Kierownik: dr med. Z.Swierczynska; Dyrektor
Instytutu: dr med. W.Bruhl).

SWIERCZYNSSKA, Zdzislawa; WOZNICZKO-ORLOWSKA, Genowefa

Post-transfusion anti-Gm(a^t) antibodies in children.
Reum. Pol. 2 no. 2:101-103 '64.

1. z Zakladu Mikrobiologii Sl, AM w Zabrzu (Kierownik:
prof. dr J.Szaflarski) i z Instytutu Reumatologicznego w
Warszawie (Dyrektor: dr med. W.Bruhl).

SWIERCZYNsKA, Zdzislawa; WOZNICZKO-ORLOWSKA, Genowefa; ZAREBA, Jerzy;
GRUSZCZYNski, Jan

Role of antibodies against bovine proteins in children. Pol.
tyg. lek. 19 no.49:1876-1877 7 D '64

l. Z Zakladu Mikrobiologii Slaskiej Akademii Medycznej w
Zabru-Rokitnicy (kierownik: prof. dr. mgr. Jerzy Szaflarski)
i z Kliniki Chorob Dzieci Slaskiej Akademii Medycznej w Zabru
(kierownik: prof. dr. med. Artur Chwalibogowski [deceased]).

SWIERCZYNsKA, Zdzislawa, doc.; WALUK, Waleria; BACZINSKA, Krystyna

Evaluation of the passive hemagglutination test for the
diagnosis of rheumatoid arthritis. Reumatologia (Warsz) 3
no.1:7-12 '65.

I. Z Zakladu Mikrobiologii i Serologii Instytutu Reumatolo-
gicznego w Warszawie (Kierownik: doc. Z. Swierczynska;
Dyrektor Instytutu: dr. med. W. Bruhl).

ZAREBA, Jerzy; GRUSZCZYNSKI, Jan; SWIERCZYNsKA, Zdzislawa;
WOZNICKO-ORLOWSKA, Genowefa

Effect of eliminating diet on the level of antibodies to
bovine proteins. Pol. tyg. lek. 20 no.15:507-508 12 Ap '65.

1. Z Kliniki Chorob Dzieci Slaskiej AM w Zabrzu (Kierownik:
prof. dr. med. Artur Chwalibogowski [deceased]) i z Zakladu
Mikrobiologii Slaskiej AM w Zabrzu--Rokitnicy (Kierownik:
prof. dr. mgr. Jerzy Szaflarski).

Swierczyński, Antoni

Vitamin C concentrates from black currant. Zdzisław
Pazota, Władysław Promiński, and Antoni Swierczyński
(Food Products Inst., Poznań, Poland). *Prace Inst. i
Lab. Badań Przemysłu Rolnego i Spółzakupnego* 5, No. 4,
3-8 (1955) (English summary).—High-quality sirups were
obtained by condensing *in vacuo* the black currant juice with
sugar or with wild rose exts. They contained 306 and 234
mg. % vitamin C, resp. Powd. concentrates were obtained
by spray drying the juice with the addn. of pectin or of vis-
cous wild rose exts. with a high pectin content. They
contained 606 and 622 mg. % vitamin C, resp. The level
of vitamin C in these preps. may be increased by processing
juice of a higher quality. *Alina S. Szczęśniak.*

3

SWIERCZYNSKI-A

Optimum parameters for producing vitamin C concentrates from pine needles. Zdzislaw Pazek, Wladyslaw Prominski, Aleksander Reinhers, and Antoni Swierczynski (Food Products Inst., Poznań, Poland). *Prace Inst. i Lab. Badawczych Przemysłu Rolnego i Spółwczesnego* 5, No. 4, 9-18 (1955) (English summary).—Pine needles are macerated in water at 40-45°; the ext. is purified with activated C and concd. The total yield of vitamin C is 45.0%. The highest concn. attained was 370 mg. %.

4

Swierczyński, Antoni

Max Optimum conditions for the isolation of sodium glutamate from protein hydrolyzates. Aleksander Reinhers, Antoni Świerczyński, and Stefan Wojtkowiak (Food Products Inst., Poznań, Poland). *Prace Inst. i Lab. Badawczych Przemysłu Rolnego i Spożywczego* 5, No. 4, 19-25 (1955).—Glutamic acid is ppts. at its isoelec. point (pH 3.2). Improved crystn. is obtained when the hydrolyzate is neutralized to pH 6.0, condensed *in vacuo* till salt of the amino acid ppts., and then acidified to pH 3.2. Crude glutamic acid is neutralized with soda, and decolorized with activated C. Sodium glutamate is allowed to crystallize from a supersatd. soln. Gluten hydrolyzate yielded 7.23% and casein hydrolyzate 4.33% glutamate. A. S. S.

3

SWIERCZYNSKI, Antoni

Technologia Koncentratow Spzywczych (Technology of Food Concentrates), by
Aleksander Reinhercz and Antoni Swierczynski. Warsaw: Ministry of Light and Food
Industry, 1956.

POLAND/Chemical Technology. Chemical Products and Their
Application. Part 3. - Drugs. Vitamins. Antibiotics.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71743.

Author : Jadwiga Gulczynska, Zdzislaw Pazola, Wladislaw
Promiński, Antoni Swierczynski

Inst : Research Institute and Laboratory of Industry,
Agriculture and Their Products.

Title : Preparation of Vitamin C Concentrate of "Oblepikha" Fruit.

Orig Pub: Prace inst. i lab. badawcz przem. roln. i spozywcz.,
1956, 6, No 3, 40-54.

Abstract: Vitamin C concentrates in the shape of a thick must
containing 1820 mg % (sic!) of ascorbic acid (I)
and of a concentrate with sugar containing 289.9 mg %
(sic!) of I were obtained in the laboratory. The

Card : 1/3

78

POLAND / Chemical Technology. Chemical Products and H-35
Their Application. Leather. Fur. Gelatin.
Tanning Agents. Industrial Proteins.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 33B4.

Author : Paczola, Z., Reinhers, A., Swierczynski, A.,
Switek, H., Wojtrowiak, S.

Inst : Not given.

Title : The Optimum Conditions for Hydrolyzing Protein
Raw Materials By Hydrochloric Acid Under Pres-
sure. The Hydrolysis of Casein, Glutein, Crack-
ling and Lacto-Albumine.

Orig Pub: Prace inst. i lab. badawcz. przem. roln i spozy-
wcz., 1956, 6, No 3, 55-78.

Abstract: Hydrolysis of protein raw material (casein, glu-
tein, lupine, crackling and lactoalbumine) with
HCl under pressure has been studied. The most

Card 1/2

115

POLAND/Chemical Technology - Chemical Products and Their
Applications - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37992
Author : Skowinski, W., Swierczynski, A.
Inst : -
Title : Acceleration of Ripening Process for Soup Seasonings.
Orig Pub : Przem. Spozywczy, 1957, 11, No 7, 294-297

Abstract : Studies were made of a ripening process for soup seasonings. Following parameters have been analyzed: total and amine bound nitrogen content, NaCl and humidity, viscosity and pH. Ripening is not accelerated by: the presence of air, light, infra-red rays, temperature change or activated carbon.

Card 1/1

44

SWIERCZYSKI, K.

"L. Taytsch's Uwagi o Praktycznym Wykorzystaniu Osadów Jeziornych; a Review of a Periodical." P. 171
(PRZEGŁAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 2, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec, 1954, Uncl.

~~SWIERCZYNKI, K.~~
SWIERCZYNSKI, K.

We carry out our plans by simple methods, p. 5. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8.
no. 1, Jun. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,
Uncl.

SWIERCZYNSKI, K.

The 2nd Congress of the Polish Youth League is approaching, p. 6. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,
Uncl.

SWIERCZYNSKI, K.

"Missing" instructors and the accomplished plans. p.l

ROLNIK SPOLDZIELCA. (Centrala Rolniczej Spoldzielni "Samopomoc Chlopska")
Warszawa, Poland. Vol. 8, no. 36, Sept. 1955.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

)
Uncl.

SWIARCZYNSKI, K.

SWIARCZYNSKI, K. The old and the new in Wrzesnia. Pt. 1. (To be contd.) p. 5.
We are going to the sessions, of the Village Community
People's Council with concrete proposals. p. 5.

Vol. 8, No. 48, Nov. 1955

WYD. SPOŁ. DLA

AGRICULTURE

Warszawa, Poland

So: East Europeon Accession, Vol. 5, No. 5, May 1956

SWIERCZYNSKI, K.

SWIERCZYNSKI, K. The old and the new in Wrzesnia. Pt. 2. (To be contd.) p. 5.

Vol. 8, No. 49, Dec. 1955

ROLNIK SPOLDZIEICA

AGRICULTURE

Warszawa, Poland

So: East Europeon A ccession, Vol. 5, No. 5, May 1956

SWIERCZYNISKI, K.

SWIERCZYNISKI, K. Support the initiative of the rank and file. p. 1

Vol 9, no. 13, March 1956

ROLNIK SPOLDZIELCA

AGRICULTURE

Warszawa, Poland

So: East European Accession vol 6, no. 3, March 1957

SWIERCZYNSKI, K.

There is before us the first harvest of the Five-Year Plan. p. 5. (Rolnik Spoldzielca, Vol. 9, No. 30, July 1956, Warsaw, Poland)

SC: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

SWIERCZYNSKI, K.

"The youngest inter-stage locus in the Masurian Lakeland." p. 273

PRZEGŁAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW. (Polska Akademia Nauk. Instytut Geografii) Warszawa, Poland. Vol. 30, no. 2, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

KRUPINSKI, Boleslaw, prof.,dr.,inz.; WOJNAR, J., prof., mgr.,inz.; MITREGA, J., inz.; KUBICZEK, Tadeusz, doc., mgr.,inz.; CWIERZ, Antoni, mgr., inz.; SWIERDZIAK, Jan, mgr.,inz.; SKARZYNSKI, Jerzy, inz.

Issure no.200 dedicated to Ignacy Lukasiewicz at the 80th anniversary of his death. Nafta Pol 18 no.1:1-3 '62.

1. Przewodniczacy Panswowej Rady Gornictwa (for Krupinski).
2. Dyrektor Instytutu Naftowego, Krakow (for Wojnar). 3. Minister Gornictwa i Energetyki (for Mitrega). 4. Dyrektor Wydawnictwa Gorniczo-Hutniczego, Katowice (for Kubiczek). 5. Naczelnny Dyrektor Zjednoczenia Przemyslu Naftowego (for Cwierz). 6. Członek Komitetu do Spraw Techniki, Dyrektor Zjednoczenia Przemyslu Maszyn Gorniczych (for Swierniak). 7. Dyrektor Centrali Produktow Naftowych (for Skarzynski).

SWIERNIAK, Jan, mgr inz.

The industry of drilling machinery and equipment during the
20-year period of the Polish People's Republic. Nafta 20
no. 9-249-254 S'64

1. President, Association of Mining Machines Industry, Bytom,
President.

SWIERK, Ewa

Qualitative comparison of differential media used in diagnosis of
Salmonella and Shigella. Przegl. epidem., Warsz. 12 no.2:131-133
1958.

1. Z Katedry Mikrobiologii Lekarskiej A. M. Lublinie Kierownik: .
dr J. Pernas i Wojewodzkiej Stacji San. - Epid. w Lublinie Dyrektor:
dr C. Horoch.
(FTCER, microbiology,
Salmonella & Shigella, culture media in differentiation (Pol))
(SAIMONELLA,
in feces, culture media in differentiation from Shigella (Pol))
(SHIGELLA,
in feces, culture media in differentiation from Salmonella(Pol))

WIELOPOLSKI, Aleksander; KRAJEWSKI, Janusz; SWIERKOT, Jan

Speedy determination of chlorine in organic compounds. Chem anal
7 no.6:1139-1148 '62.

1. Zaklad Syntezy Organicznej, Polska Akademia Nauk, Warszawa (for
Wielopolski and Krajewski). 2. Instytut Przemyslu Drobnego i
Rzemiosla, Zaklad Chemii, Warszawa (for Swierkot).

SWIERKOT, T.

Distr: 453d

Nitration of toluene in the presence of chromic acid. T. Urbański, A. Semeniuk, S. Gózak, and T. Swierkot
(Wojewódzka Akad. Techn., Warsaw). *Bull. Acad. polon. sci.*

Ser. sci., Chim., geol. et geograph., 8, 13-14 (1960) (in English).
Toluene (I) treated with $\text{HNO}_3 + \text{H}_2\text{SO}_4 + \text{Cr}_2\text{O}_3$ yielded
2,4-dinitrobenzaldehyde (II) and (or) p -nitrobenzoic acid
(III) or 2,4-dinitrobenzoic acid (IV). I (10 g.) was added
dropwise at 25° with vigorous stirring to 21.7 g. Cr_2O_3 in
1.50 g. H_2SO_4 (d. 1.84) and 25 g. HNO_3 (d. 1.51), the green
mixt. left 1.5 hrs., poured into 1 l. cold water, the cryst.
ppt. filtered off, washed with cold water, dissolved in 200
ml. Et_2O , shaken with 200 ml. 10% aq. Na_2CO_3 , and crystd.
from alc. after evapn. of ether to give 6.5 g. II. To 10 g. I
was added dropwise at const. temp. 25° a mixt. of 30 g.
 HNO_3 (d. 1.40), 90 g. H_2SO_4 (d. 1.84), and 8 g. H_2O simul-
taneously with 43.2 g. Cr_2O_3 in small portions, the red and
finally green mixt. stirred 2 hrs. at 25°, poured into 1 l. cold
water, the ppt. treated as before, and 3.09 g. III pptd. by
acidifying the aq. layer with dil. H_2SO_4 . To 30 g. HNO_3
(d. 1.50), 90 g. H_2SO_4 (d. 1.84), and 8 g. water was added
14.9 g. p -nitrotoluene and 43.2 g. Cr_2O_3 at const. temp. 50°,
the brown and finally green mixt. stirred at 50° 2 hrs., and
treated as before to yield 14.9 g. IV from the aq. layer.

J. Stecki

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J. Stecki (N.B.)

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gt

WIELOPOLSKI, Aleksander; DAHLIG, Wlodzimierz; KRAJEWSKI, Janusz; SWIERKOT,
Jan

Chlorinated polyethylene. Pt. 1. Polyethylene chlorination.
Polimery tworz wielk 7 no.6:199-206 Je '62.

1. Polska Akademia Nau, Warszawa (for Wielopolski and Krajewski).
2. Zaklad Technologii Organicznej I, Politekchnika Warszawa (for Dahlig).
3. Instytut Przemyslu Drobnego i Rzemiosla, Warszawa (for Swierkot).

SZER, W.; SWIERKOWSKI, M.; SHUGAR, D.

Secondary structure of poly-uridylic and poly-ribothymidylic acids,
their N-methylated analogues, and their 1:1 complexes with poly-A.
Acta biochim. pol. 10 no.1:87 '63.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences;
and Dept. of Biochemistry, State Institute of Hygiene, Warszawa.
(NO SUBJECT HEADINGS)

SWIERNIAK, J.

"Development of factories producing mining machinery." p. 438.
(PRZEGLAD GORNICZY Vol. 10, No. 12, Dec. 1954. Stalinogrod, Poland)

SO: Monthly List of East European Accessions. (EEAL). LG. Vol. 4. No. 4.
April 1955. Uncl.

371300Z SEP 95

Witold Tomaszki and Elga Swierszczewska: "The Potential of a Metallic Electrode
Immersed in a Solution of Foreign Ions," Kosmiki Chemii, Vol 30, No 1, Warsaw,
1955. Published from the Chair of Physical Chemistry, Warsaw Polytechnic, 26 Nov 55.

SWIERSZCZEWSKA, C.

Distr: ~~IEC~~

Certain conditions which favor the stabilization of metal potentials in solutions of foreign ions. ~~in J. Phys. et P.~~
~~Swierczewska (Politechnika, Warsaw) F. Somryl (Kiev,~~
~~USSR) (see also summary); cf. CIA 10, 11857.~~

It has been found that the stabilization of metal potentials provided that both electrodes have a great similarity in their crystalline lattice. The hypothesis of such half cells was corroborated by measuring Pt potentials in solns. contg. AgNO_3 in CuCl_2 , CuSO_4 , KCl , ZnCl_2 and Au potentials in solns. contg. AgNO_3 and SrCl_2 of different cations. All measurements were taken in presence of either air or N. *F. I. Henderickx*

JANICKI, Tadeusz; SWIERSZCZEWSKA, Olga

Masking problem in the "mesa" technique. Przegl elektroniki
4 no. 5/6: 285-290 My-Je '63.

1. Zaklad Elektroniki, Instytut Podstawowych Problemow
Techniki, Polska Akademia Nauk, Warszawa.

SWIERZ, Tadeusz, dr., inz.

"Equipment for the heat treatment of metals" by S. Okoniewski and
S. Prowans. Reviewed by Tadeusz Swierz. Przegl mech 20 no.24:762 '61.

(Metals) (Okoniewski, S.) (Prowans, S.)

ADAMCZYK, Jan; SWIERZ, Tadeusz

Influence of the parameters of heat treatment on the impact strength of nickel-vanadium steel. Mechanika Gliwice no.16:
55-62 '62.

1. Katedra Metaloznawstwa, Politechnika, Gliwice.

SWIERZ, Tadeusz, dr inz.; ADAMCZYK, Jan, mgr inz.

Testing the changes in the structure of steel from fatigue
by means of the optical and electronic microscope. Przegl
mech 21 no.15:457-463 10 Ag '62.

1. Politechnika Ślaska, Gliwice.

SWIERZ, Tadeusz, dr inż.; ADAMCZYK, Jan, mgr inż.

Width of the roentgen reflection of carbon steel subject to fatigue. Hutnik P 29 no. 5:170-177 My '62.

1. Katedra Metaloznawstwa, Politechnika, Gliwice.

41815

P/517/61/000/030/001/002

E032/E514

21.1000

AUTHORS: Swierzawski, Tadeusz and Bes, Tadeusz

TITLE: A graphical method of solution of critical equations

for thermal reactors

SOURCE: Gliwice. Politechnika Slaska. Zeszyty naukowe.

no.50. 1961. Energetyka. no.5, 3-19

TEXT: In the first part of this paper the critical equations are derived by four methods: 1) the effective diffusion coefficient; 2) two groups of neutrons; 3) Fermi age; 4) single neutron group. The critical equation for the case of a hydrogen moderator is also obtained. These expressions are then used to calculate the probability P_m that moderated neutrons will not escape from a system with finite linear dimensions. The solutions of the critical equations are given in the form of a nomogram in which k_∞ , P_m and $L/k_\infty \tau$ are plotted as functions of $B^2 \tau$ for the above cases, where k_∞ is the infinite multiplication constant, τ is the Fermi age, L is the diffusion length and B^2 is the reactor parameter

Card 1/2

$$\nabla^2 n(\vec{r}) = - B^2 n(\vec{r})$$

41816
P/517/61/000/030/002/002
E032/E514

2/1000
AUTHOR: Sierzawski, Tadeusz
TITLE: The coolant flow-rate profile in heterogeneous nuclear
reactors

SOURCE: Gliwice. Politechnika Ślaska. Zeszyty naukowe.
no. 30. 1961. Energetyka. no. 5, 21-31

TEXT: The nonuniform heat generation in the radial direction
of a heterogeneous reactor core is treated theoretically. The aim
was to derive an equation describing the radial coolant flow rate
which is necessary to achieve a uniform coolant temperature
distribution at the working channel outlets. A cylindrical
heterogeneous reactor with a reflector is considered, and the effect
of the fuel rods on the neutron flux is neglected. The coolant
temperature equalization is achieved by dividing the reactor core
into zones of different flow rates. If the neutron field is
described by a Bessel function and the flow-rate profile is

$$G^*(r) = G_o^* \cdot \left[J_0 \left(\frac{2.405 \cdot r}{R_{\text{eff}}} \right) \right]^\alpha \quad (19)$$

Card 1/5

The coolant flow-rate profile ...

P/517/61/000/030/002/002
E032/E514

increase $\Delta t(r)$ or the temperature difference $\Delta\vartheta(r)$. As can be seen, at $\kappa = 1.25$ it is possible to obtain the same temperature differences $\Delta\vartheta$ in each channel, while the increase in the temperature of the coolant will be larger in the outer channels than in the central channel. There are 3 figures.

ASSOCIATION: Katedra Teorii Maszyn Cieplnych
(Department of the Theory of Heat Engines)

Card 3/5